PADMIL KHANDELWAL

(646) 207-3693 | pkhandel@andrew.cmu.edu | Pittsburgh, PA
LinkedIn | GitHub| Tableau | Portfolio

SUMMARY

An IBM certified business analyst with 2+ years of experience in software engineering and data analytics. Developed & launched a business intelligence product that generates cognitive insights by analyzing terabytes of data to make data-driven decisions. Licensed scrum master with experience in leading a cross functional team to successfully deploy a distributed web application.

EDUCATION

Carnegie Mellon University, USA   *Dec 2020*

Master's in Information Systems Management (GPA 3.77/4)

- o   **Courses**: Applied Data Science, Distributed Systems, Agile Methods, Java, Software Engineering for AI-enabled systems, Human-Computer Interaction for Tech Executives, Big Data and Data Science, Principles

University of Petroleum and Energy Studies, India   *June 2017*

Bachelor's in Computer Science

PROFESSIONAL EXPERIENCE

School of Computer Science, CMU | Research Assistant , USA   *Sep 2020 – Present*

- o   Design a product roadmap and wireframes to create a monitoring dashboard in React for an Azure cloud-based course infrastructure
- o   Create MVP by identifying platform/infrastructure alternatives by considering tradeoffs among usefulness, cost, maintainability

IBM | Cognitive Engineer Senior Consultant (Data Scientist) Intern, USA   *June 2020 – Aug 2020*

- o   Created a web application deployed on IBM Cloud using Cloud Foundry that scraps authenticated websites using Robotic Process Automation tool puppeteer in Node.js, handling 80,000 searches per week by replacing Google's Enterprise Search engine
- o   Implemented a Service Orchestration Engine that initiates Asynchronous chats with high-risk customers for financial assistance through SMS (Twilio), Watson Assistant Chatbot + NLU with a potential to save > $500,000 in uncollectible receivables

Larsen & Toubro Infotech Ltd | Software Engineer Full Stack, India   *July 2017 -June 2019*

- o   Designed data-wrangling feature on Angular to perform data engineering and assisted analytics on Terabytes of unstructured & structured data; creating cognitive insights to help business users in data-driven decision making
- o   Led a team of 5 and implemented a business intelligence feature using D3, Echart.js on SPA Angular web-application; querying Spark RDDs for user-created dashboards & reports; shrinking time consumed to create graphs increasing user lock-in
- o   Implemented an automated testing suite using Selenium & initiated Vulnerability testing for Single Sign-On (Keycloak) for the public website deployed via Docker and Kubernetes

Incredible Technologies Pvt Ltd | Business Intelligence Intern, India   *June 2016 – July 2016*

- o   Automated forecasting of eCommerce firm's sales target by time series analysis for prediction (ARIMA) for teams across 4 cities based on metrics like Revenue per agent, sell-through rate with R; cutting down reporting time by 85%
- o   Devised a Standard Operating Procedure (SOP) to find an ideal location for the product's franchise model by analyzing purchase patterns, inventory, Customer Lifetime Value, NPS; Predicting an ROI for a test run, with ~72% accuracy

ACADEMIC PROJECTS

Recommendation service on a real-time streaming data   *Ongoing*

- o   Implementing a movie recommendation service by creating a machine learning CI/CD pipeline for automatic retraining with feedback loops to measure accuracy, drift, telemetry on a live Kafka stream with 1 million with an aim for 98% availability

Analyzing Application Dependencies for Transformation RFPs   *Dec 2017*

- o   Created a web analytics tool to visualize dependencies required to reengineer Java, .Net and Javascript projects using Neo4j and Node.js by GraphQL ad-hoc queries, to reduce the time for transformation RFPs by 23%

SKILLS

Languages: Python, Java, JavaScript, Typescript
Analytics: Python (Numpy, Pandas, nltk, plotly), Tableau, PowerBI,Google Analytics, R+Shiny, D3.js, Highcharts
Cloud and DevOps: AWS, Google Cloud, IBM Cloud, Cloud Foundry, Docker, Kubernetes, SAP Hana XSA
Web Technologies and Tools: Angular, React.js,Redux,Immutable.js, Node.js,Express.js, XHTML ,CSS, J2EE, Flask, Django
Databases: SQL (Oracle, MySQL, PostgreSQL, Teradata, DB2), NoSQL(MongoDB, Cassandra, Neo4j), Bigdata(Spark)
Functional Skills: Agile, Scrum, Lean Product Management, Wireframing, Data Analytics, Machine Learning, Big Data, DevOps

LEADERSHIP AND AWARDS

- o   **Certified Cloud Practitioner**, AWS   *Sep 2020*
- o   **Licensed Scrum Master,** Scrum Inc   *May 2020*
- o   **Big Data and Machine Learning- Google Cloud,** Coursera   *July 2020*
- o   **Certified Business Analytics Specialist,** IBM   *May 2017*